

Bluegrass Area Occupational Outlook to 2014

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Bluegrass Area Occupational Outlook to 2014

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**Laura E. Owens, Secretary
Kentucky Education Cabinet**

**Beth Smith, Commissioner
Department for Workforce Investment**

**Andrew J. Fraenhoffer, Executive Director
Office of Employment and Training**

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Lelia Todd, Manager

**Barrett Ross,
Labor Market Analyst**

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PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2014. Staff utilized data from all programs to project the 2014 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

Questions, comments, or copies:

Barrett Ross
Office of Employment and Training
Research and Statistics Branch
Human Resources Building, 2nd Floor West
275 East Main Street
Frankfort, Kentucky 40621
800-542-8840
502-564-7976
Fax: 502-564-2937
BarrettM.Ross@ky.gov

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INTRODUCTION

Bluegrass Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *Bluegrass Area Occupational Outlook to 2014* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors, and others will find this information beneficial.

Tables listing the 45 occupations with the largest number of annual job openings and the fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change, and the average number of annual job openings for the period 2004 to 2014.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2004 through 2014. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

NOTE: Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2004-2014 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined, or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2004-2014 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page <http://www.bls.gov/soc/home.htm>.

BLUEGRASS HIGHLIGHTS 2004-2014

- ✓ Employment is projected to grow from 378,013 to 424,836, a gain of 12.4 percent.
- ✓ Total annual job openings are expected to be about 14,121.
- ✓ Growth in employment will create about 5,104 job openings annually.
- ✓ Approximately 9,017 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-six percent of job openings will result from growth; the remaining 64 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Food Preparation and Serving Related Occupations (1,789), followed by Office and Administrative Support Occupations (1,726), and Sales and Related Occupations (1,631).
- ✓ Occupations with the largest percentage change are Network Systems and Data Communications Analysts (50.3%), Home Health Aides (46.6%), Physician Assistants (39.4%) and Medical Assistants (38.9%).
- ✓ The largest growth rates are likely to be in Postsecondary Teacher Occupations (33.5%), Fire Fighting and Prevention Occupations (31.1%), and Other Teachers and Instructors Occupations (28.4%).
- ✓ The two occupations with the largest number of annual job openings are Retail Salespersons (580) and Combined Food Preparation and Serving Related Workers (522).

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	1) Total average annual job openings and 2) employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	1) Employment growth (new jobs), 2) employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	<i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separations. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	1) The number of workers who are currently employed, 2) the number of job vacancies created by worker separation, and 3) the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

**Top 45
Bluegrass Area Occupations With The Most Annual Job Openings**

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<u>Management Occupations</u>				
11-1021	General & Operations Mgrs.	75	106	181
11-1011	Chief Executives	34	44	78
<u>Business and Financial Operations Occupations</u>				
13-2011	Accountants & Auditors	38	44	82
<u>Education, Training and Library Occupations</u>				
25-9041	Teacher Assistants	72	65	137
25-2021	Elem. School Teachers, Ex. Special Education	62	70	132
25-3099	Teachers & Instructors, All Other	66	28	94
25-2011	Preschool Teachers, Ex. Special Education	51	19	70
<u>Healthcare Practitioners and Technical Occupations</u>				
29-1111	Registered Nurses	220	183	403
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies & Attendants	80	61	141
<u>Protective Service Occupations</u>				
33-3051	Police & Sheriff's Patrol Officers	31	40	71
<u>Food Preparation and Serving Related Occupations</u>				
35-3021	Combined Food Prep. & Serving Workers	187	335	522
35-3031	Waiters & Waitresses	131	306	437
35-1012	Mgrs. of Food Preparation & Serving Workers	67	67	134
35-2011	Cooks, Fast Food	48	61	109
35-3022	Counter Attend., Cafeteria & Food Concession	25	78	103
35-2014	Cooks, Restaurant	41	58	99
35-2021	Food Preparation Workers	24	58	82
<u>Building and Grounds Cleaning and Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	97	126	223
37-2012	Maids & Housekeeping Cleaners	10	61	71
37-3011	Landscaping & Groundskeeping Workers	27	43	70
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	80	87	167

**Top 45
Bluegrass Area Occupations With The Most Annual Job Openings**

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<u>Sales and Related Occupations</u>				
41-2031	Retail Salespersons	171	409	580
41-2011	Cashiers	46	441	487
41-1011	Mgrs. of Retail Sales Workers	53	91	144
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	35	71	106
<u>Office and Administrative Support Occupations</u>				
43-5081	Stock Clerks & Order Fillers	0	176	176
43-6011	Executive Secretaries & Admin. Assistants	42	105	147
43-9061	Office Clerks, General	20	123	143
43-4051	Customer Service Representatives	74	62	136
43-4171	Receptionists & Information Clerks	52	76	128
43-1011	Mgrs. of Office & Admin. Support Workers	21	102	123
43-3031	Bookkeeping, Accounting & Auditing Clerks	14	90	104
43-6014	Secretaries, Ex. Legal, Medical & Executive	0	88	88
43-3071	Tellers	14	67	81
<u>Farming, Fishing, and Forestry Occupations</u>				
45-2092	Farmworkers & Laborers, Crop, Nursery	0	96	96
<u>Constructing and Extraction Occupations</u>				
47-2031	Carpenters	58	47	105
47-1011	Mgrs. of Constr. Trades & Extraction Workers	35	35	70
47-2073	Operating Engineers & Other Constr. Equip. Ops.	25	43	68
<u>Installation, Maintenance and Repair Occupations</u>				
49-9042	Maintenance & Repair Workers, General	55	94	149
49-3023	Automotive Service Technicians & Mechanics	28	40	68
<u>Production Occupations</u>				
51-2092	Team Assemblers	152	273	425
51-9198	Helpers--Production Workers	28	62	90
51-1011	Mgrs. of Production & Operating	24	57	81
<u>Transportation and Material Moving Occupations</u>				
53-7062	Laborer & Freight, Stock & Material Mover, Hand	22	142	164
53-3032	Truck Drivers, Heavy & Tractor-Trailer	76	81	157

**Top 45
Fastest Growing Bluegrass Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment Actual 2004	Projected 2014	Change 2004-2014 Number Percent		Job Openings Average Annual 2004-2014
<u>Management Occupations</u>						
11-9031	Education Admin., Pre., Child Care Center	201	262	61	30.3	11
<u>Business and Financial Operations Occupations</u>						
13-2071	Loan Counselors	41	54	13	31.7	2
<u>Computer and Mathematical Occupations</u>						
15-1081	Network Systems & Data Comm. Analysts	721	1,084	363	50.3	45
15-1032	Computer Software Engineers, Systems Soft.	301	415	114	37.9	14
15-1061	Database Admin.	464	637	173	37.3	22
15-1071	Network & Computer Systems Admin.	646	885	239	37.0	31
15-1031	Computer Software Engineers, Applications	1,212	1,622	410	33.8	53
<u>Life, Physical, and Social Science Occupations</u>						
19-3031	Clinical, Counseling & School Psychologists	273	355	82	30.0	14
<u>Community and Social Service Occupations</u>						
21-1093	Social & Human Service Assistants	645	839	194	30.1	30
<u>Education, Training and Library Occupations</u>						
25-1052	Chemistry Teachers, Post.	87	118	31	35.6	5
25-1124	Foreign Language & Literature Teachers, Post.	103	139	36	35.0	6
25-1125	History Teachers, Post.	95	128	33	34.7	5
25-1192	Home Economics Teachers, Post.	55	74	19	34.5	3
25-1065	Political Science Teachers, Post.	61	82	21	34.4	3
25-1123	English Language & Literature Teachers, Post.	247	332	85	34.4	15
25-1011	Business Teachers, Post.	276	370	94	34.1	15
25-1042	Biological Science Teachers, Post.	165	221	56	33.9	10
25-1054	Physics Teachers, Post.	65	87	22	33.8	4
25-1072	Nursing Instructors & Teachers, Post.	142	190	48	33.8	8
25-1113	Social Work Teachers, Post.	77	103	26	33.8	5
25-1122	Communications Teachers, Post.	178	238	60	33.7	10
25-1121	Art, Drama & Music Teachers, Post.	368	492	124	33.7	20
25-1126	Philosophy & Religion Teachers, Post.	187	250	63	33.7	10
25-1022	Mathematical Science Teachers, Post.	149	199	50	33.6	8
25-1081	Education Teachers, Post.	326	435	109	33.4	18
25-1066	Psychology Teachers, Post.	153	204	51	33.3	9

**Top 45
Fastest Growing Bluegrass Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment Actual 2004	Projected 2014	Change 2004-2014 Number Percent		Job Openings Average Annual 2004-2014
<u>Education, Training and Library Occupations</u>						
<u>(cont.)</u>						
25-1067	Sociology Teachers, Post.	66	88	22	33.3	4
25-1193	Recreation & Fitness Studies Teachers, Post.	66	88	22	33.3	4
25-1199	Post. Teachers, All Other	193	257	64	33.2	10
25-1021	Computer Science Teachers, Post.	115	153	38	33.0	7
25-1063	Economics Teachers, Post.	64	85	21	32.8	3
25-2011	Preschool Teachers, Ex. Special Education	1,572	2,080	508	32.3	70
25-1194	Vocational Education Teachers, Post.	392	514	122	31.1	21
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	409	529	120	29.3	22
<u>Healthcare Practitioners and Technical Occupations</u>						
29-1071	Physician Assistants	160	223	63	39.4	9
29-2032	Diagnostic Medical Sonographers	97	127	30	30.9	5
29-2021	Dental Hygienists	487	636	149	30.6	19
<u>Healthcare Support Occupations</u>						
31-1011	Home Health Aides	824	1,208	384	46.6	49
31-9092	Medical Assistants	769	1,068	299	38.9	44
31-9091	Dental Assistants	588	766	178	30.3	34
<u>Protective Service Occupations</u>						
33-2011	Fire Fighters	729	962	233	32.0	44
33-1021	Mgrs. of Fire Fighting & Prevent	279	361	82	29.4	20
<u>Personal Care and Service Occupations</u>						
39-9021	Personal & Home Care Aides	497	657	160	32.2	24
<u>Installation, Maintenance and Repair Occupations</u>						
49-9069	Precision Instrument & Equip. Repairers, Other	43	57	14	32.6	2
<u>Production Occupations</u>						
51-9071	Jewelers & Precious Stone & Metal Workers	41	55	14	34.1	2

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment 2004 2014		Job Growth 2004 2014		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	
Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure. NOTE: Alphabetical listing beginning on page 64 will help locate a specific occupation within the tables.		Estimated 2004 employment is based on the Occupational Employment Statistics (OES) Survey of employers. Projected 2014 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2004 and 2014. NOTE: The occupational employment estimates for 2004 to 2014 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.		Number The total number of jobs in an occupation gained or lost over the 2004 to 2014 period. Percent Percent change in employment in an occupation over the 10 year period. NOTE: In Kentucky, the average growth for all occupations is projected to be 12.2 percent between 2004-2014. The growth of an occupation is classified as one of the following based on its percent change: 1) Declining (< 0%) 2) Stable (0% - 6.99%) 3) Growing (7% - 16.99%) 4) Fast Growing (17% - 23.99%) 5) Very Fast Growing (> 24%)		Growth Provides estimates of the average number of job openings expected to occur each year between 2004 and 2014. Separations Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers. Total The sum of openings due to growth and openings due to separations for an occupation. NOTE: If employment growth is negative, the total number of job openings will equal the number of separations.			Average Wage in this report always refers to the 2005 mean hourly wage.	Education and/or Training Levels Required are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11). NOTE: The various categories are described in detail on page 76 of this report.

Bluegrass Area

Occupational Employment Outlook

Management Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
00-0000 Total, All Occupations		378,013	424,836	46,823	12.4	5,104	9,017	14,121	16.51	n/a
11-0000 Management Occupations		22,767	26,144	3,377	14.8	338	424	762	35.89	n/a
11-1000	Top Executives	7,945	9,042	1,097	13.8	110	150	260	n/a	n/a
11-1011	Chief Executives	2,319	2,662	343	14.8	34	44	78	60.14	4
11-1021	General & Operations Mgrs.	5,625	6,379	754	13.4	75	106	181	35.33	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	4
11-2000	Advertising, Market, Promotions, P.R. & Sales	1,655	1,887	232	14.0	23	30	53	n/a	n/a
11-2011	Advertising & Promotions Mgrs.	135	151	16	11.9	2	2	4	26.82	4
11-2021	Marketing Mgrs.	500	564	64	12.8	6	9	15	33.71	4
11-2022	Sales Mgrs.	759	864	105	13.8	11	14	25	41.10	4
11-2031	Public Relations Mgrs.	261	308	47	18.0	5	5	10	33.48	4
11-3000	Operations Specialties Mgrs.	3,974	4,525	551	13.9	55	68	123	n/a	n/a
11-3011	Administrative Services Mgrs.	428	493	65	15.2	7	8	15	25.85	4
11-3021	Computer & Information Systems Mgrs.	623	763	140	22.5	14	11	25	37.60	4
11-3031	Financial Mgrs.	1,451	1,631	180	12.4	18	21	39	34.78	4
11-3041	Compensation & Benefits Mgrs.	141	169	28	19.9	3	2	5	27.14	4
11-3042	Training & Development Mgrs.	70	82	12	17.1	1	1	2	29.02	4
11-3049	Human Resources Mgrs., All Other	259	286	27	10.4	3	4	7	37.65	4
11-3051	Industrial Production Mgrs.	531	582	51	9.6	5	10	15	35.68	8
11-3061	Purchasing Mgrs.	219	235	16	7.3	2	5	7	30.41	4
11-3071	Transportation, Storage & Distribution Mgrs.	252	284	32	12.7	3	5	8	31.23	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Management Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
11-9000	Other Management Occupations	9,193	10,690	1,497	16.3	150	176	326	n/a	n/a
11-9011	Farm, Ranch & Other Agricultural Mgrs.	1,430	1,451	21	1.5	2	25	27	29.46	4
11-9012	Farmers & Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Mgrs.	1,301	1,598	297	22.8	30	24	54	n/a	5
11-9031	Education Admin., Preschool, Child Care Center	201	262	61	30.3	6	5	11	16.97	4
11-9032	Education Admin., Elem. & Secondary School	398	458	60	15.1	6	10	16	n/a	4
11-9033	Education Admin., Post.	326	402	76	23.3	8	8	16	39.02	4
11-9039	Education Admin., All Other	97	115	18	18.6	2	2	4	33.80	4
11-9041	Engineering Mgrs.	387	427	40	10.3	4	8	12	44.61	4
11-9051	Food Service Mgrs.	1,095	1,389	294	26.8	29	18	47	18.24	8
11-9061	Funeral Directors	95	100	5	5.3	1	3	4	20.88	6
11-9081	Lodging Mgrs.	114	127	13	11.4	1	2	3	17.92	8
11-9111	Medical & Health Services Mgrs.	864	1,010	146	16.9	15	17	32	37.43	4
11-9121	Natural Sciences Mgrs.	88	98	10	11.4	1	2	3	37.16	4
11-9131	Postmasters & Mail Superintendents	66	63	-3	-4.5	0	1	1	25.48	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	639	739	100	15.6	10	12	22	16.97	5
11-9151	Social & Community Service Mgrs.	391	461	70	17.9	7	8	15	24.46	5
11-9199	Mgrs., All Other	1,701	1,990	289	17.0	29	33	62	34.63	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Business & Financial Operations Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
13-0000 Business & Financial Operations Occupations		11,833	13,464	1,631	13.8	169	216	385	22.69	n/a
13-1000	Business Operations Spec.	6,948	7,940	992	14.3	105	127	232	n/a	n/a
13-1011	Agents & Business Mgrs. of Artists, Perf. & Ath.	*	*	*	*	*	*	*	n/a	4
13-1021	Purchasing Agents & Buyers, Farm Products	59	66	7	11.9	1	2	3	21.83	8
13-1022	Whole. & Retail Buyers, Ex. Farm Products	216	237	21	9.7	2	6	8	18.97	8
13-1023	Purchasing Agents, Ex. Wholesale & Retail	642	663	21	3.3	2	16	18	21.71	8
13-1031	Claims Adjusters, Examiners & Investigators	320	341	21	6.6	2	4	6	23.69	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	n/a	9
13-1041	Compliance Officers, Ex. Agr., Constr., Health	421	469	48	11.4	5	10	15	21.19	9
13-1051	Cost Estimators	413	491	78	18.9	8	9	17	22.44	8
13-1061	Emergency Management Spec.	63	81	18	28.6	2	1	3	17.70	8
13-1071	Employment, Recruitment & Placement Spec.	350	413	63	18.0	6	5	11	15.80	5
13-1072	Compensation, Benefits & Job Analysis Spec.	277	330	53	19.1	5	4	9	20.59	5
13-1073	Training & Development Spec.	753	876	123	16.3	12	12	24	21.13	5
13-1079	HR, Training & Labor Relations Spec.	441	550	109	24.7	11	8	19	22.49	5
13-1081	Logisticians	275	216	-59	-21.5	0	5	5	n/a	5
13-1111	Management Analysts	661	751	90	13.6	9	9	18	28.31	4
13-1121	Meeting & Convention Planners	363	411	48	13.2	5	8	13	18.69	5
13-1199	Business Operations Spec., All Other	1,674	2,023	349	20.8	35	29	64	25.27	5
13-2000	Financial Specialists	4,885	5,524	639	13.1	64	89	153	n/a	n/a
13-2011	Accountants & Auditors	2,346	2,729	383	16.3	38	44	82	22.15	5
13-2021	Appraisers & Assessors of Real Estate	*	*	*	*	*	*	*	28.43	7
13-2031	Budget Analysts	433	480	47	10.9	5	7	12	25.12	5
13-2041	Credit Analysts	79	83	4	5.1	0	1	1	20.12	5
13-2051	Financial Analysts	187	215	28	15.0	3	3	6	28.16	5
13-2052	Personal Financial Advisors	117	151	34	29.1	3	2	5	33.59	5
13-2053	Insurance Underwriters	66	66	0	0.0	0	1	1	26.57	5
13-2061	Financial Examiners	71	74	3	4.2	0	2	2	33.75	5
13-2071	Loan Counselors	41	54	13	31.7	1	1	2	20.19	5
13-2072	Loan Officers	543	607	64	11.8	6	9	15	22.35	5
13-2081	Tax Examiners, Collectors & Revenue Agents	360	358	-2	-0.6	0	8	8	24.72	5
13-2082	Tax Preparers	*	*	*	*	*	*	*	16.62	10
13-2099	Financial Spec., All Other	443	475	32	7.2	3	8	11	19.26	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Computer & Mathematical Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
15-0000 Computer & Mathematical Occupations		7,684	9,588	1,904	24.8	192	99	291	25.77	n/a
15-1000 Computer Specialists		7,594	9,490	1,896	25.0	191	97	288	n/a	n/a
15-1011	Computer & Information Scientists, Research	*	*	*	*	*	*	*	38.82	2
15-1021	Computer Programmers	935	924	-11	-1.2	0	22	22	27.48	5
15-1031	Computer Software Engineers, Applications	1,212	1,622	410	33.8	41	12	53	29.63	5
15-1032	Computer Software Engineers, Systems Soft.	301	415	114	37.9	11	3	14	34.78	5
15-1041	Computer Support Spec.	1,624	1,902	278	17.1	28	20	48	17.48	6
15-1051	Computer Systems Analysts	1,258	1,524	266	21.1	27	14	41	29.89	5
15-1061	Database Admin.	464	637	173	37.3	17	5	22	27.38	5
15-1071	Network & Computer Systems Admin.	646	885	239	37.0	24	7	31	25.79	5
15-1081	Network Systems & Data Comm. Analysts	721	1,084	363	50.3	36	9	45	24.59	5
15-1099	Computer Spec., All Other	413	470	57	13.8	6	5	11	23.10	6
15-2000	Mathematical Scientists	90	98	8	8.9	1	3	4	n/a	n/a
15-2011	Actuaries	*	*	*	*	*	*	*	n/a	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	48	49	1	2.1	0	1	1	35.97	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Architecture & Engineering Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
17-0000 Architecture & Engineering Occupations		5,936	6,328	392	6.6	67	130	197	29.20	n/a
17-1000	Architects, Surveyors & Cartographers	262	292	30	11.5	3	5	8	n/a	n/a
17-1011	Architects, Ex. Landscape & Naval	148	168	20	13.5	2	2	4	31.40	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	22.67	5
17-1021	Cartographers & Photogrammetrists	32	33	1	3.1	0	1	1	n/a	5
17-1022	Surveyors	54	58	4	7.4	0	2	2	20.59	5
17-2000	Engineers	3,752	3,905	153	4.1	42	81	123	n/a	n/a
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	n/a	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	105	80	-25	-23.8	0	3	3	n/a	5
17-2051	Civil Engineers	480	549	69	14.4	7	8	15	29.27	5
17-2061	Computer Hardware Engineers	752	537	-215	-28.6	0	13	13	n/a	5
17-2071	Electrical Engineers	174	193	19	10.9	2	3	5	32.56	5
17-2072	Electronics Engineers, Ex. Computer	113	101	-12	-10.6	0	2	2	n/a	5
17-2081	Environmental Engineers	99	126	27	27.3	3	2	5	28.82	5
17-2111	Health & Safety Engineers, Ex. Mining Safety	48	48	0	0.0	0	1	1	27.62	5
17-2112	Industrial Engineers	1,024	1,206	182	17.8	18	25	43	32.28	5
17-2121	Marine Engineers & Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	94	76	-18	-19.1	0	3	3	n/a	5
17-2141	Mechanical Engineers	616	700	84	13.6	8	17	25	31.01	5
17-2151	Mining & Geological Engrs., Incl. Mining Safety	*	*	*	*	*	*	*	35.10	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	n/a	5
17-2199	Engineers, All Other	201	232	31	15.4	3	4	7	29.98	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Architecture & Engineering Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014		Average Annual 2004-2014				
				Number	Percent	Growth	Separations	Total		
17-3000	Drafters, Engineering & Mapping Technicians	1,922	2,131	209	10.9	21	45	66	n/a	n/a
17-3011	Architectural & Civil Drafters	103	105	2	1.9	0	3	3	18.31	7
17-3012	Electrical & Electronics Drafters	*	*	*	*	*	*	*	21.34	7
17-3013	Mechanical Drafters	176	171	-5	-2.8	0	5	5	20.30	7
17-3019	Drafters, All Other	65	73	8	12.3	1	2	3	14.21	7
17-3021	Aerospace Engineering & Ops. Technicians	*	*	*	*	*	*	*	n/a	6
17-3022	Civil Engineering Technicians	479	544	65	13.6	7	10	17	19.66	6
17-3023	Electrical & Electronic Engineering Technicians	410	482	72	17.6	7	9	16	20.56	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	6
17-3025	Environmental Engineering Technicians	114	137	23	20.2	2	2	4	17.47	6
17-3026	Industrial Engineering Technicians	140	171	31	22.1	3	3	6	20.16	6
17-3027	Mechanical Engineering Technicians	63	69	6	9.5	1	1	2	18.76	6
17-3029	Engineering Technicians, Ex. Drafters, All Other	249	254	5	2.0	1	6	7	18.85	6
17-3031	Surveying & Mapping Technicians	89	91	2	2.2	0	3	3	14.13	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Life, Physical & Social Science Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
19-0000 Life, Physical & Social Science Occupations		3,349	3,880	531	15.9	55	78	133	20.94	n/a
19-1000	Life Scientists	844	1,039	195	23.1	20	19	39	n/a	n/a
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	5
19-1012	Food Scientists & Technologists	*	*	*	*	*	*	*	n/a	5
19-1013	Soil & Plant Scientists	*	*	*	*	*	*	*	n/a	5
19-1021	Biochemists & Biophysicists	*	*	*	*	*	*	*	n/a	2
19-1022	Microbiologists	50	59	9	18.0	1	2	3	n/a	2
19-1023	Zoologists & Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	62	70	8	12.9	1	2	3	26.38	5
19-1031	Conservation Scientists	101	109	8	7.9	1	3	4	24.64	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Ex. Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1099	Life Scientists, All Other	52	61	9	17.3	1	1	2	n/a	5
19-2000	Physical Scientists	514	577	63	12.3	6	12	18	n/a	n/a
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	n/a	2
19-2021	Atmospheric & Space Scientists	*	*	*	*	*	*	*	n/a	5
19-2031	Chemists	130	136	6	4.6	1	4	5	30.26	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	5
19-2041	Environmental Scientists & Spec., Incl. Health	173	199	26	15.0	3	3	6	23.42	3
19-2042	Geoscientists, Ex. Hydrologists & Geographers	135	156	21	15.6	2	2	4	27.89	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	42	50	8	19.0	1	1	2	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Life, Physical & Social Science Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
19-3000	Social Scientists & Related Workers	1,012	1,124	112	11.1	13	25	38	n/a	n/a
19-3011	Economists	60	63	3	5.0	0	2	2	n/a	3
19-3021	Market Research Analysts	363	347	-16	-4.4	0	9	9	27.75	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	5
19-3031	Clinical, Counseling & School Psychologists	273	355	82	30.0	8	6	14	24.00	2
19-3039	Psychologists, All Other	86	96	10	11.6	1	2	3	26.34	3
19-3051	Urban & Regional Planners	*	*	*	*	*	*	*	22.58	3
19-3091	Anthropologists & Archeologists	*	*	*	*	*	*	*	21.26	3
19-3092	Geographers	*	*	*	*	*	*	*	n/a	3
19-3093	Historians	*	*	*	*	*	*	*	n/a	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists & Related Workers, All Other	136	149	13	9.6	1	3	4	29.27	3
19-4000	Life, Physical & Social Science Technicians	979	1,140	161	16.4	16	22	38	n/a	n/a
19-4011	Agricultural & Food Science Technicians	82	99	17	20.7	2	2	4	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	n/a	6
19-4031	Chemical Technicians	55	57	2	3.6	0	1	1	16.53	6
19-4041	Geological & Petroleum Technicians	*	*	*	*	*	*	*	n/a	6
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	n/a	6
19-4091	Environ. Sci. & Protection Techs., Incl. Health	260	279	19	7.3	2	6	8	15.67	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4093	Forest & Conservation Technicians	66	73	7	10.6	1	2	3	13.72	6
19-4099	Life, Physical & Social Sci. Tech., All Other	317	390	73	23.0	7	8	15	n/a	6

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Community & Social Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
21-0000 Community & Social Services Occupations		4,262	5,142	880	20.6	88	79	167	17.06	n/a
21-1000	Counselors, Social Work. & Other Social Serv.	4,165	5,025	860	20.6	86	77	163	n/a	n/a
21-1011	Substance Abuse & Behavioral Disorder Couns.	*	*	*	*	*	*	*	n/a	3
21-1012	Educational, Vocational & School Counselors	564	674	110	19.5	11	13	24	22.54	3
21-1013	Marriage & Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1014	Mental Health Counselors	86	100	14	16.3	1	2	3	18.37	3
21-1015	Rehabilitation Counselors	106	121	15	14.2	2	2	4	18.34	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	n/a	3
21-1021	Child, Family & School Social Workers	*	*	*	*	*	*	*	16.62	5
21-1022	Medical & Public Health Social Workers	307	384	77	25.1	8	5	13	17.07	5
21-1023	Mental Health & Subst. Abuse Social Workers	272	344	72	26.5	7	5	12	16.75	3
21-1029	Social Workers, All Other	83	91	8	9.6	1	2	3	22.13	5
21-1091	Health Educators	117	144	27	23.1	3	2	5	17.38	3
21-1092	Probation Offcr. & Correctional Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social & Human Service Assistants	645	839	194	30.1	19	11	30	11.12	10
21-1099	Community & Social Service Spec., All Other	196	249	53	27.0	5	4	9	n/a	5
21-2000	Religious Workers	97	117	20	20.6	2	2	4	n/a	n/a
21-2011	Clergy	77	94	17	22.1	2	2	4	16.29	3
21-2021	Directors, Religious Activities & Education	*	*	*	*	*	*	*	n/a	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Legal Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
23-0000 Legal Occupations		3,664	4,233	569	15.5	57	42	99	28.73	n/a
23-1000	Lawyers, Judges & Related Workers	2,203	2,545	342	15.5	34	28	62	n/a	n/a
23-1011	Lawyers	1,883	2,206	323	17.2	32	24	56	42.38	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Offcr.	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators & Conciliators	*	*	*	*	*	*	*	n/a	4
23-1023	Judges, Magistrate Judges & Magistrates	64	64	0	0.0	0	1	1	n/a	4
23-2000	Legal Support Workers	1,461	1,688	227	15.5	23	14	37	n/a	n/a
23-2011	Paralegals & Legal Assistants	854	1,040	186	21.8	19	7	26	16.60	6
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	7
23-2092	Law Clerks	194	197	3	1.5	0	2	2	14.83	5
23-2093	Title Examiners, Abstractors & Searchers	*	*	*	*	*	*	*	11.15	10
23-2099	Legal Support Workers, All Other	246	270	24	9.8	2	3	5	17.21	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Education, Training & Library Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
25-0000 Education, Training & Library Occupations		22,169	27,588	5,419	24.4	542	448	990	20.86	n/a
25-1000	Postsecondary Teachers	5,059	6,753	1,694	33.5	169	114	283	n/a	n/a
25-1011	Business Teachers, Post.	276	370	94	34.1	9	6	15	n/a	3
25-1021	Computer Science Teachers, Post.	115	153	38	33.0	4	3	7	n/a	3
25-1022	Mathematical Science Teachers, Post.	149	199	50	33.6	5	3	8	n/a	3
25-1031	Architecture Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1032	Engineering Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1041	Agricultural Sciences Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1042	Biological Science Teachers, Post.	165	221	56	33.9	6	4	10	n/a	2
25-1043	Forestry & Conservation Sci. Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	*	*	*	*	*	*	*	n/a	2
25-1052	Chemistry Teachers, Post.	87	118	31	35.6	3	2	5	n/a	2
25-1054	Physics Teachers, Post.	65	87	22	33.8	2	2	4	n/a	2
25-1061	Anthropology & Archeology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1063	Economics Teachers, Post.	64	85	21	32.8	2	1	3	n/a	2
25-1064	Geography Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1065	Political Science Teachers, Post.	61	82	21	34.4	2	1	3	n/a	2
25-1066	Psychology Teachers, Post.	153	204	51	33.3	5	4	9	n/a	2
25-1067	Sociology Teachers, Post.	66	88	22	33.3	2	2	4	n/a	2
25-1069	Social Sciences Teachers, Post., All Other	*	*	*	*	*	*	*	n/a	2
25-1071	Health Specialties Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1072	Nursing Instructors & Teachers, Post.	142	190	48	33.8	5	3	8	n/a	2
25-1081	Education Teachers, Post.	326	435	109	33.4	11	7	18	n/a	2
25-1082	Library Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Education, Training & Library Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
25-1111	Crim. Justice & Law Enforcement Teach., Post.	*	*	*	*	*	*	*	n/a	2
25-1112	Law Teachers, Post.	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Post.	77	103	26	33.8	3	2	5	n/a	2
25-1121	Art, Drama & Music Teachers, Post.	368	492	124	33.7	12	8	20	n/a	3
25-1122	Communications Teachers, Post.	178	238	60	33.7	6	4	10	n/a	2
25-1123	English Language & Literature Teachers, Post.	247	332	85	34.4	9	6	15	n/a	3
25-1124	Foreign Language & Literature Teachers, Post.	103	139	36	35.0	4	2	6	n/a	3
25-1125	History Teachers, Post.	95	128	33	34.7	3	2	5	n/a	2
25-1126	Philosophy & Religion Teachers, Post.	187	250	63	33.7	6	4	10	n/a	2
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	5
25-1192	Home Economics Teachers, Post.	55	74	19	34.5	2	1	3	n/a	3
25-1193	Recreation & Fitness Studies Teachers, Post.	66	88	22	33.3	2	2	4	n/a	3
25-1194	Vocational Education Teachers, Post.	392	514	122	31.1	12	9	21	22.38	4
25-1199	Post. Teachers, All Other	193	257	64	33.2	6	4	10	n/a	2
25-2000	Primary, Secondary & Special Ed. Teachers	8,933	10,824	1,891	21.2	189	190	379	n/a	n/a
25-2011	Preschool Teachers, Ex. Special Education	1,572	2,080	508	32.3	51	19	70	11.84	7
25-2012	Kindergarten Teachers, Ex. Special Education	*	*	*	*	*	*	*	n/a	5
25-2021	Elem. School Teachers, Ex. Special Education	3,155	3,778	623	19.7	62	70	132	n/a	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	*	*	*	*	*	*	*	n/a	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	n/a	4
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	*	*	*	*	*	*	*	n/a	5
25-2032	Vocational Ed. Teachers, Secondary School	101	116	15	14.9	2	3	5	n/a	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	409	529	120	29.3	12	10	22	n/a	5
25-2042	Special Education Teachers, Middle School	231	292	61	26.4	6	6	12	n/a	5
25-2043	Special Education Teachers, Secondary School	282	343	61	21.6	6	7	13	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Education, Training & Library Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
25-3000	Other Teachers & Instructors	2,668	3,427	759	28.4	76	33	109	n/a	n/a
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	119	152	33	27.7	3	2	5	14.82	5
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	19.34	8
25-3099	Teachers & Instructors, All Other	2,294	2,958	664	28.9	66	28	94	12.06	5
25-4000	Librarians, Curators & Archivists	947	1,062	115	12.1	12	27	39	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	33	37	4	12.1	0	1	1	n/a	3
25-4013	Museum Technicians & Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	522	571	49	9.4	5	13	18	21.67	3
25-4031	Library Technicians	*	*	*	*	*	*	*	23.75	7
25-9000	Other Ed., Training & Library Occupations	4,562	5,522	960	21.0	96	83	179	n/a	n/a
25-9011	Audio-Visual Collections Spec.	*	*	*	*	*	*	*	n/a	10
25-9021	Farm & Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	432	536	104	24.1	10	7	17	n/a	3
25-9041	Teacher Assistants	3,353	4,075	722	21.5	72	65	137	n/a	11
25-9099	Education, Training & Library Workers, Other	239	298	59	24.7	6	4	10	21.62	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
27-0000 Arts, Design, Entertain., Sports & Media Occs.		5,431	6,219	788	14.5	82	99	181	16.16	n/a
27-1000 Art & Design Workers		1,810	2,069	259	14.3	26	27	53	24.89	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	4
27-1012	Craft Artists	*	*	*	*	*	*	*	n/a	9
27-1013	Fine Artists, Incl. Painters, Sculpt. & Illustrators	76	88	12	15.8	1	2	3	14.53	9
27-1014	Multi-Media Artists & Animators	*	*	*	*	*	*	*	20.37	5
27-1019	Artists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-1021	Commercial & Industrial Designers	112	112	0	0.0	0	2	2	24.55	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	6
27-1023	Floral Designers	561	659	98	17.5	10	8	18	8.09	10
27-1024	Graphic Designers	430	491	61	14.2	6	6	12	18.22	5
27-1025	Interior Designers	84	99	15	17.9	2	1	3	23.57	6
27-1026	Merchandise Displayers & Window Trimmers	301	346	45	15.0	5	4	9	9.14	10
27-1027	Set & Exhibit Designers	*	*	*	*	*	*	*	n/a	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	5
27-2000 Entertainers & Performers, Sports & Related		1,241	1,512	271	21.8	27	27	54	n/a	n/a
27-2011	Actors	*	*	*	*	*	*	*	n/a	9
27-2012	Producers & Directors	171	202	31	18.1	3	3	6	n/a	4
27-2021	Athletes & Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches & Scouts	552	689	137	24.8	14	11	25	n/a	9
27-2023	Umpires, Referees & Other Sports Officials	*	*	*	*	*	*	*	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	7.51	9
27-2032	Choreographers	52	61	9	17.3	1	3	4	14.83	8
27-2041	Music Directors & Composers	*	*	*	*	*	*	*	n/a	4
27-2042	Musicians & Singers	233	284	51	21.9	5	5	10	n/a	9
27-2099	Entertainers & Perf., Sports & Related, All Other	120	150	30	25.0	3	2	5	n/a	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
27-3000	Media & Communication Workers	1,872	2,054	182	9.7	21	34	55	n/a	n/a
27-3011	Radio & Television Announcers	196	176	-20	-10.2	0	5	5	8.54	9
27-3012	Public Address System & Other Announcers	*	*	*	*	*	*	*	n/a	9
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	n/a	4
27-3022	Reporters & Correspondents	134	128	-6	-4.5	0	3	3	11.02	4
27-3031	Public Relations Spec.	902	1,040	138	15.3	14	13	27	17.31	5
27-3041	Editors	219	225	6	2.7	1	5	6	16.53	5
27-3042	Technical Writers	88	93	5	5.7	1	3	4	22.44	5
27-3043	Writers & Authors	186	228	42	22.6	4	3	7	21.53	5
27-3091	Interpreters & Translators	70	85	15	21.4	2	1	3	18.76	9
27-3099	Media & Communication Workers, All Other	45	50	5	11.1	1	1	2	19.25	9
27-4000	Media & Communication Equipment Workers	508	584	76	15.0	8	11	19	n/a	n/a
27-4011	Audio & Video Equipment Technicians	54	61	7	13.0	1	1	2	16.46	9
27-4012	Broadcast Technicians	129	142	13	10.1	1	3	4	19.89	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	7
27-4021	Photographers	184	215	31	16.8	3	4	7	9.97	9
27-4031	Camera Operators, TV, Video & Motion Picture	56	65	9	16.1	1	1	2	22.26	10
27-4032	Film & Video Editors	*	*	*	*	*	*	*	*	5
27-4099	Media & Comm. Equipment Workers, All Other	*	*	*	*	*	*	*	16.25	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Healthcare Practitioners & Technical Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
29-0000 Healthcare Practitioners & Technical Occs.		20,877	25,375	4,498	21.5	450	399	849	25.61	n/a
29-1000	Health Diagnosing & Treating Practitioners	12,511	15,410	2,899	23.2	290	250	540	n/a	n/a
29-1011	Chiropractors	*	*	*	*	*	*	*	*	1
29-1021	Dentists, General	155	169	14	9.0	1	3	4	81.29	1
29-1022	Oral & Maxillofacial Surgeons	*	*	*	*	*	*	*	97.31	1
29-1023	Orthodontists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians & Nutritionists	161	182	21	13.0	2	4	6	19.79	5
29-1041	Optometrists	33	36	3	9.1	0	1	1	47.82	1
29-1051	Pharmacists	672	814	142	21.1	14	13	27	42.44	1
29-1061	Physicians & Surgeons	*	*	*	*	*	*	*	92.60	1
29-1062	Anesthesiologists	142	171	29	20.4	3	2	5	69.08	1
29-1063	Family & General Practitioners	155	185	30	19.4	3	2	5	50.58	1
29-1064	Internists, General	120	144	24	20.0	2	2	4	n/a	1
29-1065	Obstetricians & Gynecologists	*	*	*	*	*	*	*	54.96	1
29-1066	Pediatricians, General	*	*	*	*	*	*	*	81.92	1
29-1067	Psychiatrists	365	436	71	19.5	7	5	12	n/a	1
29-1069	Surgeons	384	436	52	13.5	5	5	10	65.71	1
29-1071	Physician Assistants	160	223	63	39.4	6	3	9	29.54	5
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	8,760	10,962	2,202	25.1	220	183	403	24.11	6
29-1121	Audiologists	*	*	*	*	*	*	*	n/a	1
29-1122	Occupational Therapists	186	222	36	19.4	4	3	7	26.79	3
29-1123	Physical Therapists	283	342	59	20.8	6	3	9	32.01	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	n/a	6
29-1125	Recreational Therapists	*	*	*	*	*	*	*	n/a	5
29-1126	Respiratory Therapists	238	295	57	23.9	6	8	14	19.13	6
29-1127	Speech-Language Pathologists	236	268	32	13.6	3	6	9	24.53	3
29-1129	Therapists, All Other	72	88	16	22.2	2	2	4	n/a	5
29-1131	Veterinarians	84	91	7	8.3	1	2	3	39.39	1
29-1199	Health Diagnosing & Treat. Practitioners, Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Healthcare Practitioners & Tech. Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
29-2000	Health Technologists & Technicians	8,078	9,638	1,560	19.3	156	144	300	n/a	n/a
29-2011	Medical & Clinical Laboratory Technologists	613	710	97	15.8	10	17	27	21.05	5
29-2012	Medical & Clinical Laboratory Technicians	374	456	82	21.9	8	10	18	16.68	6
29-2021	Dental Hygienists	487	636	149	30.6	15	4	19	22.28	6
29-2031	Cardiovascular Technologists & Technicians	247	298	51	20.6	5	5	10	18.68	6
29-2032	Diagnostic Medical Sonographers	97	127	30	30.9	3	2	5	27.48	6
29-2033	Nuclear Medicine Technologists	63	75	12	19.0	1	1	2	22.30	6
29-2034	Radiologic Technologists & Technicians	883	1,090	207	23.4	21	17	38	20.46	6
29-2041	Emergency Medical Technicians & Paramedics	449	576	127	28.3	13	5	18	11.48	7
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	n/a	10
29-2052	Pharmacy Technicians	1,028	1,274	246	23.9	25	13	38	11.10	10
29-2053	Psychiatric Technicians	206	205	-1	-0.5	0	3	3	n/a	10
29-2054	Respiratory Therapy Technicians	179	184	5	2.8	1	2	3	16.80	6
29-2055	Surgical Technologists	367	456	89	24.3	9	5	14	16.00	7
29-2056	Veterinary Technologists & Technicians	67	81	14	20.9	1	1	2	11.16	6
29-2061	Licensed Practical & Licensed Voc. Nurses	1,875	2,097	222	11.8	22	41	63	16.86	7
29-2071	Medical Records & Health Info. Technicians	490	591	101	20.6	10	7	17	15.27	6
29-2081	Opticians, Dispensing	116	119	3	2.6	0	2	2	13.73	9
29-2091	Orthotists & Prosthetists	*	*	*	*	*	*	*	n/a	5
29-2099	Health Technologists & Technicians, All Other	501	619	118	23.6	12	9	21	17.23	7
29-9000	Other Healthcare Practitioners & Tech. Occs.	288	327	39	13.5	4	6	10	n/a	n/a
29-9011	Occupational Health & Safety Spec.	158	177	19	12.0	2	3	5	23.78	5
29-9012	Occupational Health & Safety Technicians	48	52	4	8.3	0	1	1	22.61	7
29-9091	Athletic Trainers	33	41	8	24.2	1	1	2	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	49	57	8	16.3	1	1	2	22.58	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Healthcare Support Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
31-0000 Healthcare Support Occupations		8,498	10,446	1,948	22.9	195	132	327	10.69	n/a
31-1000	Nursing, Psychiatric & Home Health Aides	5,565	6,745	1,180	21.2	118	73	191	n/a	n/a
31-1011	Home Health Aides	824	1,208	384	46.6	38	11	49	9.90	11
31-1012	Nursing Aides, Orderlies & Attendants	4,686	5,484	798	17.0	80	61	141	9.93	7
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	n/a	11
31-2000	Occupational & Phys. Therapist Assist. & Aides	211	253	42	19.9	4	4	8	n/a	n/a
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	n/a	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-2021	Physical Therapist Assistants	90	113	23	25.6	2	2	4	15.81	6
31-2022	Physical Therapist Aides	93	107	14	15.1	1	2	3	11.23	11
31-9000	Other Healthcare Support Occupations	2,722	3,448	726	26.7	73	56	129	n/a	n/a
31-9011	Massage Therapists	40	50	10	25.0	1	1	2	n/a	7
31-9091	Dental Assistants	588	766	178	30.3	18	16	34	11.83	10
31-9092	Medical Assistants	769	1,068	299	38.9	30	14	44	11.99	10
31-9093	Medical Equipment Preparers	200	239	39	19.5	4	4	8	11.30	11
31-9094	Medical Transcriptionists	461	569	108	23.4	11	9	20	13.56	7
31-9095	Pharmacy Aides	88	101	13	14.8	1	2	3	8.57	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	57	63	6	10.5	1	1	2	9.12	11
31-9099	Healthcare Support Workers, All Other	519	592	73	14.1	7	10	17	11.82	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Protective Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
33-0000 Protective Service Occupations		6,439	7,305	866	13.4	96	184	280	13.44	n/a
33-1000	Mgrs., Protective Service Workers	958	1,150	192	20.0	19	32	51	n/a	n/a
33-1011	Mgrs. of Correctional Officers	211	234	23	10.9	2	6	8	19.35	8
33-1012	Mgrs. of Police & Detectives	363	440	77	21.2	8	12	20	24.48	8
33-1021	Mgrs. of Fire Fighting & Prevent	279	361	82	29.4	8	12	20	n/a	8
33-1099	Mgrs. of Protective Service Workers, Other	105	115	10	9.5	1	3	4	15.29	8
33-2000	Fire Fighting & Prevention Workers	745	977	232	31.1	23	22	45	n/a	n/a
33-2011	Fire Fighters	729	962	233	32.0	23	21	44	10.92	9
33-2021	Fire Inspectors & Investigators	*	*	*	*	*	*	*	n/a	8
33-2022	Forest Fire Inspectors & Prevention Spec.	*	*	*	*	*	*	*	n/a	8
33-3000	Law Enforcement Workers	3,000	3,470	470	15.7	47	71	118	n/a	n/a
33-3011	Bailiffs	*	*	*	*	*	*	*	10.13	10
33-3012	Correctional Officers & Jailers	*	*	*	*	*	*	*	14.19	10
33-3021	Detectives & Criminal Investigators	148	169	21	14.2	2	4	6	24.49	8
33-3031	Fish & Game Wardens	*	*	*	*	*	*	*	n/a	6
33-3041	Parking Enforcement Workers	37	46	9	24.3	1	1	2	n/a	11
33-3051	Police & Sheriff's Patrol Officers	1,550	1,859	309	19.9	31	40	71	16.46	9
33-3052	Transit & Railroad Police	*	*	*	*	*	*	*	n/a	9
33-9000	Other Protective Service Workers	1,736	1,708	-28	-1.6	7	58	65	n/a	n/a
33-9011	Animal Control Workers	39	46	7	17.9	1	3	4	9.50	10
33-9021	Private Detectives & Investigators	57	64	7	12.3	1	1	2	11.12	8
33-9031	Gaming Surveillance Ofcrs. & Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	1,224	1,130	-94	-7.7	0	27	27	10.35	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	n/a	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	154	178	24	15.6	2	11	13	7.22	11
33-9099	Protective Service Workers, All Other	233	254	21	9.0	2	16	18	12.34	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Food Preparation & Serving Related Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
35-0000 Food Preparation & Serving Related Occs.		29,500	35,681	6,181	21.0	618	1,171	1,789	7.78	n/a
35-1000	Supervisors, Food Prep. & Serving Workers	3,045	3,752	707	23.2	71	74	145	n/a	n/a
35-1011	Chefs & Head Cooks	227	266	39	17.2	4	7	11	13.76	8
35-1012	Mgrs. of Food Preparation & Serving Workers	2,818	3,486	668	23.7	67	67	134	11.47	8
35-2000	Cooks & Food Preparation Workers	7,743	9,082	1,339	17.3	134	247	381	n/a	n/a
35-2011	Cooks, Fast Food	1,977	2,455	478	24.2	48	61	109	8.03	11
35-2012	Cooks, Institution & Cafeteria	1,493	1,580	87	5.8	9	46	55	9.97	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	1,868	2,275	407	21.8	41	58	99	8.84	9
35-2015	Cooks, Short Order	760	891	131	17.2	13	24	37	8.83	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	10
35-2021	Food Preparation Workers	1,639	1,877	238	14.5	24	58	82	9.13	11
35-3000	Food & Beverage Serving Workers	16,235	19,837	3,602	22.2	360	769	1,129	n/a	n/a
35-3011	Bartenders	745	858	113	15.2	11	29	40	7.12	11
35-3021	Combined Food Prep. & Serving Workers	7,728	9,602	1,874	24.2	187	335	522	6.79	11
35-3022	Counter Attend., Cafeteria & Food Concession	1,193	1,442	249	20.9	25	78	103	7.20	11
35-3031	Waiters & Waitresses	5,944	7,253	1,309	22.0	131	306	437	6.37	11
35-3041	Food Servers, Nonrestaurant	625	682	57	9.1	6	21	27	6.68	11
35-9000	Other Food Prep. & Serving Related Workers	2,477	3,010	533	21.5	53	82	135	n/a	n/a
35-9011	Dining & Cafeteria Attend. & Bartender Helpers	677	813	136	20.1	14	23	37	7.05	11
35-9021	Dishwashers	844	1,024	180	21.3	18	29	47	7.70	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	935	1,152	217	23.2	22	30	52	7.18	11
35-9099	Food Prep. & Serving Related Workers, Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Building, Grounds Cleaning & Maintenance Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
37-0000	Building & Grounds Cleaning & Maint. Occs.	12,806	14,344	1,538	12.0	154	254	408	9.35	n/a
37-1000	Sprvisors., Bldg. & Grounds Cleaning Workers	1,207	1,398	191	15.8	19	23	42	n/a	n/a
37-1011	Mgrs. of Housekeeping & Janitorial Workers	817	914	97	11.9	10	19	29	12.04	8
37-1012	Mgrs. of Landscaping, Lawn Service	390	484	94	24.1	9	4	13	15.26	8
37-2000	Building Cleaning & Pest Control Workers	9,569	10,642	1,073	11.2	107	187	294	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	6,660	7,628	968	14.5	97	126	223	9.08	11
37-2012	Maids & Housekeeping Cleaners	2,886	2,990	104	3.6	10	61	71	7.87	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	12.44	10
37-3000	Grounds Maintenance Workers	2,030	2,304	274	13.5	28	44	72	n/a	n/a
37-3011	Landscaping & Groundskeeping Workers	1,968	2,236	268	13.6	27	43	70	9.65	11
37-3012	Pesticide Handlers, Sprayers & Applic., Veget.	*	*	*	*	*	*	*	12.72	10
37-3013	Tree Trimmers & Pruners	33	32	-1	-3.0	0	1	1	n/a	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Personal Care & Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
39-0000 Personal Care & Service Occupations		9,074	10,906	1,832	20.2	184	232	416	9.92	n/a
39-1000	Supervisors, Personal Care & Service Workers	536	638	102	19.0	10	13	23	n/a	n/a
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	n/a	8
39-1021	Mgrs. of Personal Service Workers	516	613	97	18.8	10	13	23	13.80	8
39-2000	Animal Care & Service Workers	1,539	1,784	245	15.9	25	37	62	n/a	n/a
39-2011	Animal Trainers	431	535	104	24.1	10	9	19	10.78	10
39-2021	Nonfarm Animal Caretakers	1,108	1,249	141	12.7	14	28	42	9.36	11
39-3000	Entertainment Attendants & Related Workers	955	1,076	121	12.7	12	38	50	n/a	n/a
39-3012	Gaming & Sports Book Writers & Runners	*	*	*	*	*	*	*	n/a	11
39-3021	Motion Picture Projectionists	31	32	1	3.2	0	2	2	8.48	11
39-3031	Ushers, Lobby Attendants & Ticket Takers	342	366	24	7.0	2	20	22	n/a	11
39-3091	Amusement & Recreation Attendants	389	462	73	18.8	7	11	18	7.64	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	11
39-3093	Locker, Coatroom & Dressing Room Attendants	*	*	*	*	*	*	*	8.50	11
39-3099	Entertainment Attend. & Related Workers, Other	*	*	*	*	*	*	*	9.39	10
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-4011	Embalmers	*	*	*	*	*	*	*	22.22	7
39-4021	Funeral Attendants	*	*	*	*	*	*	*	n/a	11
39-5000	Personal Appearance Workers	1,074	1,286	212	19.7	21	21	42	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	n/a	7
39-5012	Hairdressers, Hairstylists & Cosmetologists	971	1,161	190	19.6	19	19	38	12.28	7
39-5091	Makeup Artists, Theatrical & Performance	*	*	*	*	*	*	*	n/a	7
39-5092	Manicurists & Pedicurists	43	52	9	20.9	1	1	2	11.00	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Spec.	*	*	*	*	*	*	*	n/a	7
39-6000	Transportation, Tourism & Lodging Attendants	216	226	10	4.6	2	5	7	n/a	n/a
39-6011	Baggage Porters & Bellhops	53	56	3	5.7	0	1	1	7.05	11
39-6012	Concierges	*	*	*	*	*	*	*	n/a	10
39-6021	Tour Guides & Escorts	95	107	12	12.6	1	3	4	8.33	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Ex. Flight Attend., Bag Porters	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Personal Care & Service Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014		Average Annual 2004-2014				
				Number	Percent	Growth	Separations	Total		
39-9000	Other Personal Care & Service Workers	4,603	5,727	1,124	24.4	112	115	227	n/a	n/a
39-9011	Child Care Workers	3,178	3,980	802	25.2	80	87	167	7.89	11
39-9021	Personal & Home Care Aides	497	657	160	32.2	16	8	24	9.68	11
39-9031	Fitness Trainers & Aerobics Instructors	140	160	20	14.3	2	3	5	13.52	7
39-9032	Recreation Workers	504	584	80	15.9	8	12	20	12.19	11
39-9041	Residential Advisors	168	213	45	26.8	5	4	9	10.34	10
39-9099	Personal Care & Service Workers, All Other	116	133	17	14.7	2	3	5	8.75	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Sales & Related Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
41-0000 Sales & Related Occupations		37,295	41,212	3,917	10.5	405	1,226	1,631	13.54	n/a
41-1000	Supervisors, Sales Workers	6,315	6,925	610	9.7	61	115	176	n/a	n/a
41-1011	Mgrs. of Retail Sales Workers	5,074	5,607	533	10.5	53	91	144	16.60	8
41-1012	Mgrs. of Non-Retail Sales Workers	1,241	1,318	77	6.2	8	23	31	25.72	8
41-2000	Retail Sales Workers	22,043	24,366	2,323	10.5	238	910	1,148	n/a	n/a
41-2011	Cashiers	9,061	9,520	459	5.1	46	441	487	8.26	11
41-2012	Gaming Change Persons & Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter & Rental Clerks	1,096	1,312	216	19.7	22	42	64	8.37	11
41-2022	Parts Salespersons	629	569	-60	-9.5	0	18	18	11.86	10
41-2031	Retail Salespersons	11,257	12,965	1,708	15.2	171	409	580	10.69	11
41-3000	Sales Representatives, Services	2,364	2,588	224	9.5	23	46	69	n/a	n/a
41-3011	Advertising Sales Agents	430	468	38	8.8	4	8	12	24.66	10
41-3021	Insurance Sales Agents	788	805	17	2.2	2	19	21	28.46	5
41-3031	Securities, Commodities & Financial Serv. Sales	411	454	43	10.5	4	5	9	34.03	5
41-3041	Travel Agents	53	46	-7	-13.2	0	1	1	14.30	7
41-3099	Sales Representatives, Services, All Other	682	815	133	19.5	13	13	26	19.52	10
41-4000	Sales Reps., Wholesale & Manufacturing	3,459	3,887	428	12.4	43	91	134	n/a	n/a
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	771	848	77	10.0	8	20	28	30.42	10
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	2,688	3,039	351	13.1	35	71	106	23.41	10
41-9000	Other Sales & Related Workers	3,114	3,446	332	10.7	39	64	103	n/a	n/a
41-9011	Demonstrators & Product Promoters	98	106	8	8.2	1	2	3	13.85	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	n/a	8
41-9022	Real Estate Sales Agents	1,367	1,612	245	17.9	25	27	52	15.16	7
41-9031	Sales Engineers	76	71	-5	-6.6	0	2	2	33.99	5
41-9041	Telemarketers	287	230	-57	-19.9	0	5	5	12.13	11
41-9091	Door-To-Door Sales, News & Street Vendors	*	*	*	*	*	*	*	n/a	11
41-9099	Sales & Related Workers, All Other	428	480	52	12.1	5	8	13	14.05	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Office & Administrative Support Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
43-0000 Office & Administrative Support Occupations		59,823	61,365	1,542	2.6	349	1,377	1,726	13.41	n/a
43-1000	Supervisors, Office & Admin. Support Workers	4,730	4,943	213	4.5	21	102	123	n/a	n/a
43-1011	Mgrs. of Office & Admin. Support Workers	4,730	4,943	213	4.5	21	102	123	19.08	8
43-2000	Communications Equipment Operators	1,379	1,087	-292	-21.2	0	35	35	n/a	n/a
43-2011	Switchboard Operators, Incl. Answering Service	672	610	-62	-9.2	0	17	17	11.03	11
43-2021	Telephone Operators	705	476	-229	-32.5	0	18	18	n/a	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	n/a	11
43-3000	Financial Clerks	10,410	11,023	613	5.9	63	238	301	n/a	n/a
43-3011	Bill & Account Collectors	1,278	1,510	232	18.2	23	24	47	13.95	11
43-3021	Billing & Posting Clerks & Machine Operators	2,266	2,317	51	2.3	5	38	43	12.73	10
43-3031	Bookkeeping, Accounting & Auditing Clerks	4,781	4,921	140	2.9	14	90	104	13.38	10
43-3051	Payroll & Timekeeping Clerks	515	581	66	12.8	7	14	21	14.53	10
43-3061	Procurement Clerks	213	194	-19	-8.9	0	5	5	16.36	11
43-3071	Tellers	1,357	1,500	143	10.5	14	67	81	10.26	11
43-4000	Information & Record Clerks	12,606	13,769	1,163	9.2	166	272	438	n/a	n/a
43-4011	Brokerage Clerks	49	52	3	6.1	0	1	1	15.61	10
43-4021	Correspondence Clerks	33	30	-3	-9.1	0	1	1	n/a	11
43-4031	Court, Municipal & License Clerks	*	*	*	*	*	*	*	13.41	11
43-4041	Credit Authorizers, Checkers & Clerks	58	32	-26	-44.8	0	1	1	18.79	11
43-4051	Customer Service Representatives	4,188	4,929	741	17.7	74	62	136	12.96	10
43-4061	Eligibility Interviewers, Government Programs	106	98	-8	-7.5	0	3	3	17.13	10
43-4071	File Clerks	561	338	-223	-39.8	0	17	17	11.19	11
43-4081	Hotel, Motel & Resort Desk Clerks	634	633	-1	-0.2	0	29	29	8.41	11
43-4111	Interviewers, Ex. Eligibility & Loan	834	1,005	171	20.5	17	22	39	11.55	11
43-4121	Library Assistants, Clerical	125	146	21	16.8	2	5	7	11.27	11
43-4131	Loan Interviewers & Clerks	418	423	5	1.2	1	6	7	14.32	11
43-4141	New Accounts Clerks	151	158	7	4.6	1	4	5	16.66	8
43-4151	Order Clerks	438	321	-117	-26.7	0	10	10	11.61	11
43-4161	H.R. Assistants, Ex. Payroll & Timekeeping	287	312	25	8.7	3	6	9	16.45	11
43-4171	Receptionists & Information Clerks	3,073	3,591	518	16.9	52	76	128	10.67	11
43-4181	Reservation & Transp. Ticket Agents & Clerks	*	*	*	*	*	*	*	19.42	11
43-4199	Information & Record Clerks, All Other	795	686	-109	-13.7	0	13	13	16.94	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Office & Administrative Support Occs. (cont'd)

Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
43-5000	Material Recording, Dispatching & Distributing	11,009	10,647	-362	-3.3	19	325	344	n/a	n/a
43-5011	Cargo & Freight Agents	45	43	-2	-4.4	0	1	1	17.27	10
43-5021	Couriers & Messengers	505	464	-41	-8.1	0	12	12	9.61	11
43-5031	Police, Fire & Ambulance Dispatchers	460	554	94	20.4	9	10	19	12.91	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	394	402	8	2.0	1	9	10	13.46	10
43-5041	Meter Readers, Utilities	79	35	-44	-55.7	0	3	3	15.01	11
43-5051	Postal Service Clerks	179	172	-7	-3.9	0	5	5	21.83	11
43-5052	Postal Service Mail Carriers	836	805	-31	-3.7	0	26	26	21.41	11
43-5053	Postal Service Mail Sorters & Processors	348	335	-13	-3.7	0	9	9	19.42	11
43-5061	Production, Planning & Expediting Clerks	694	752	58	8.4	6	17	23	18.18	11
43-5071	Shipping, Receiving & Traffic Clerks	2,177	2,211	34	1.6	3	45	48	12.55	11
43-5081	Stock Clerks & Order Fillers	4,742	4,399	-343	-7.2	0	176	176	12.13	11
43-5111	Weigher, Measurer, Checker, Sampler, Records.	550	475	-75	-13.6	0	14	14	10.49	11
43-6000	Secretaries & Administrative Assistants	11,253	11,471	218	1.9	49	216	265	n/a	n/a
43-6011	Executive Secretaries & Admin. Assistants	5,466	5,881	415	7.6	42	105	147	15.55	10
43-6012	Legal Secretaries	638	684	46	7.2	5	12	17	15.46	7
43-6013	Medical Secretaries	556	585	29	5.2	3	11	14	12.24	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	4,593	4,321	-272	-5.9	0	88	88	11.92	10
43-9000	Other Office & Administrative Support Workers	8,436	8,425	-11	-0.1	29	190	219	n/a	n/a
43-9011	Computer Operators	294	196	-98	-33.3	0	6	6	18.72	10
43-9021	Data Entry Keyers	748	774	26	3.5	3	18	21	10.15	10
43-9022	Word Processors & Typists	349	317	-32	-9.2	0	8	8	11.17	10
43-9031	Desktop Publishers	53	62	9	17.0	1	1	2	11.05	7
43-9041	Insurance Claims & Policy Processing Clerks	282	278	-4	-1.4	0	5	5	16.07	10
43-9051	Mail Clerks & Mail Machine Ops., Ex. Postal	*	*	*	*	*	*	*	10.16	11
43-9061	Office Clerks, General	5,546	5,744	198	3.6	20	123	143	11.74	11
43-9071	Office Machine Operators, Ex. Computer	192	146	-46	-24.0	0	5	5	12.76	11
43-9081	Proofreaders & Copy Markers	50	48	-2	-4.0	0	1	1	9.26	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Administrative Support Workers, Other	570	628	58	10.2	6	14	20	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Farming, Fishing & Forestry Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
45-0000 Farming, Fishing & Forestry Occupations		6,559	6,298	-261	-4.0	13	181	194	10.92	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Work.	506	549	43	8.5	4	12	16	n/a	n/a
45-1011	Mgrs. of Farming, Fishing & Forestry Workers	503	547	44	8.7	4	12	16	17.95	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
45-2000	Agricultural Workers	6,021	5,714	-307	-5.1	9	169	178	n/a	n/a
45-2011	Agricultural Inspectors	54	61	7	13.0	1	1	2	n/a	8
45-2021	Animal Breeders	82	93	11	13.4	1	1	2	n/a	11
45-2041	Graders & Sorters, Agricultural Products	101	97	-4	-4.0	0	3	3	9.51	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-2092	Farmworkers & Laborers, Crop, Nursery	3,388	3,017	-371	-11.0	0	96	96	11.67	11
45-2093	Farmworkers, Farm & Ranch Animals	2,021	2,090	69	3.4	7	57	64	9.78	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	11
45-3000	Fishing & Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers & Related Fishing Workers	*	*	*	*	*	*	*	n/a	10
45-4000	Forest, Conservation & Logging Workers	32	35	3	9.4	0	1	1	n/a	10
45-4011	Forest & Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	n/a	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-4023	Log Graders & Scalers	*	*	*	*	*	*	*	n/a	n/a
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	n/a

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Construction & Extraction Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
47-0000 Construction & Extraction Occupations		17,425	19,912	2,487	14.3	250	343	593	16.75	8
47-1000	Supervisors, Construction & Extraction Workers	2,078	2,423	345	16.6	35	35	70	n/a	n/a
47-1011	Mgrs. of Constr. Trades & Extraction Workers	2,078	2,423	345	16.6	35	35	70	23.38	9
47-2000	Construction Trades Workers	12,104	13,714	1,610	13.3	161	224	385	n/a	n/a
47-2011	Boilermakers	49	48	-1	-2.0	0	2	2	22.78	9
47-2021	Brickmasons & Blockmasons	275	308	33	12.0	3	4	7	19.95	9
47-2022	Stonemasons	*	*	*	*	*	*	*	n/a	9
47-2031	Carpenters	2,856	3,437	581	20.3	58	47	105	15.90	10
47-2041	Carpet Installers	*	*	*	*	*	*	*	15.14	10
47-2042	Floor Layers, Ex. Carpet, Wood & Hard Tiles	*	*	*	*	*	*	*	n/a	10
47-2043	Floor Sanders & Finishers	*	*	*	*	*	*	*	n/a	9
47-2044	Tile & Marble Setters	*	*	*	*	*	*	*	n/a	10
47-2051	Cement Masons & Concrete Finishers	332	374	42	12.7	4	7	11	14.34	9
47-2053	Terrazzo Workers & Finishers	*	*	*	*	*	*	*	n/a	10
47-2061	Construction Laborers	2,386	2,457	71	3.0	7	32	39	12.74	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	183	214	31	16.9	3	3	6	18.49	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	1,662	1,914	252	15.2	25	43	68	16.69	10
47-2081	Drywall & Ceiling Tile Installers	236	267	31	13.1	3	5	8	*	10
47-2082	Tapers	42	43	1	2.4	0	1	1	15.38	9
47-2111	Electricians	992	1,095	103	10.4	10	20	30	19.87	9
47-2121	Glaziers	162	176	14	8.6	1	3	4	12.76	10
47-2131	Insulation Workers, Floor, Ceiling & Wall	69	70	1	1.4	0	2	2	n/a	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	10
47-2141	Painters, Construction & Maintenance	643	764	121	18.8	12	10	22	12.81	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	235	269	34	14.5	3	5	8	15.67	9
47-2152	Plumbers, Pipefitters & Steamfitters	731	835	104	14.2	10	17	27	20.44	9
47-2161	Plasterers & Stucco Masons	*	*	*	*	*	*	*	n/a	9
47-2171	Reinforcing Iron & Rebar Workers	*	*	*	*	*	*	*	n/a	10
47-2181	Roofers	234	274	40	17.1	4	5	9	14.13	9
47-2211	Sheet Metal Workers	330	377	47	14.2	5	8	13	16.37	10
47-2221	Structural Iron & Steel Workers	203	227	24	11.8	2	4	6	18.92	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Construction & Extraction Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
47-3000	Helpers, Construction Trades	907	975	68	7.5	8	38	46	n/a	n/a
47-3011	Helpers--Brick, Block, Stone & Tile Setters	124	135	11	8.9	1	5	6	13.93	11
47-3012	Helpers--Carpenters	242	268	26	10.7	3	10	13	10.56	11
47-3013	Helpers--Electricians	154	151	-3	-1.9	0	6	6	12.17	11
47-3014	Helpers--Paint, Paperhanger, Plasterer & Stucco	34	37	3	8.8	0	1	1	8.35	11
47-3015	Helpers--Pipelayer & Fitter, Plumber, Steamfitter	286	318	32	11.2	3	12	15	13.03	11
47-3016	Helpers--Roofers	33	36	3	9.1	0	1	1	7.94	11
47-3019	Helpers, Construction Trades, All Other	34	30	-4	-11.8	0	1	1	15.80	11
47-4000	Other Construction & Related Workers	1,763	2,195	432	24.5	43	28	71	n/a	n/a
47-4011	Construction & Building Inspectors	162	203	41	25.3	4	4	8	18.66	8
47-4021	Elevator Installers & Repairers	*	*	*	*	*	*	*	n/a	9
47-4031	Fence Erectors	*	*	*	*	*	*	*	n/a	10
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	n/a	10
47-4051	Highway Maintenance Workers	536	678	142	26.5	14	8	22	11.57	10
47-4061	Rail-Track Laying & Maint. Equipment Operators	*	*	*	*	*	*	*	n/a	10
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	10
47-4099	Construction & Related Workers, All Other	*	*	*	*	*	*	*	12.95	10
47-5000	Extraction Workers	573	605	32	5.6	4	18	22	n/a	n/a
47-5011	Derrick Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5012	Rotary Drill Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5013	Service Unit Operators, Oil, Gas & Mining	*	*	*	*	*	*	*	n/a	10
47-5021	Earth Drillers, Ex. Oil & Gas	182	206	24	13.2	2	4	6	15.15	10
47-5031	Explosives Worker, Ordnance Handling & Blaster	*	*	*	*	*	*	*	16.70	10
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	n/a	10
47-5071	Roustabouts, Oil & Gas	34	38	4	11.8	0	1	1	12.17	10
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	n/a	11
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Installation, Maintenance & Repair Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
49-0000 Installation, Maintenance & Repair Occupations		15,654	17,361	1,707	10.9	176	349	525	17.21	n/a
49-1000	Supervisors of Installation, Maint. & Repair	1,628	1,817	189	11.6	19	41	60	n/a	n/a
49-1011	Mgrs. of Mechanics, Installers & Repairers	1,628	1,817	189	11.6	19	41	60	22.97	8
49-2000	Electric. & Electron. Equip. Mechanics, Installer	1,595	1,680	85	5.3	10	30	40	n/a	n/a
49-2011	Computer, Auto. Teller & Office Machine Repairer	461	485	24	5.2	2	6	8	16.26	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	n/a	7
49-2022	Telecomm. Equip. Installers & Repairers	317	333	16	5.0	2	7	9	22.40	9
49-2091	Avionics Technicians	*	*	*	*	*	*	*	n/a	7
49-2092	Electric Motor, Power Tool & Related Repairers	82	81	-1	-1.2	0	2	2	16.78	7
49-2093	Electric. & Electron. Install & Repair, Transp.	*	*	*	*	*	*	*	n/a	7
49-2094	Electric. & Electron. Rep., Commercial & Industr.	154	148	-6	-3.9	0	3	3	20.74	7
49-2095	Electric. & Electron. Rep., Powerhouse, Substat.	39	39	0	0.0	0	1	1	25.54	7
49-2096	Electronic Equip. Install & Repair, Motor Vehicle	*	*	*	*	*	*	*	16.36	7
49-2097	Electronic Home Entertain. Equip. Install & Rep.	197	218	21	10.7	2	4	6	13.20	7
49-2098	Security & Fire Alarm Systems Installers	*	*	*	*	*	*	*	14.82	7
49-3000	Vehicle & Mobile Equip. Mechanics, Installers	3,730	4,291	561	15.0	56	97	153	n/a	n/a
49-3011	Aircraft Mechanics & Service Technicians	142	174	32	22.5	3	3	6	18.25	7
49-3021	Automotive Body & Related Repairers	233	256	23	9.9	2	5	7	15.55	9
49-3022	Automotive Glass Installers & Repairers	*	*	*	*	*	*	*	16.58	9
49-3023	Automotive Service Technicians & Mechanics	1,496	1,779	283	18.9	28	40	68	14.68	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	754	866	112	14.9	11	19	30	16.28	7
49-3041	Farm Equipment Mechanics	42	44	2	4.8	0	1	1	12.80	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	552	620	68	12.3	7	12	19	17.89	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	9
49-3051	Motorboat Mechanics	45	53	8	17.8	1	1	2	n/a	9
49-3052	Motorcycle Mechanics	49	56	7	14.3	1	1	2	11.64	9
49-3053	Outdoor Power Equip. & Small Engine Mechanic	69	82	13	18.8	1	2	3	7.88	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	n/a	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	n/a	9
49-3093	Tire Repairers & Changers	249	252	3	1.2	0	11	11	11.91	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Installation, Maintenance & Repair Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
49-9000	Other Installation, Maintenance & Repair Occs.	8,701	9,573	872	10.0	92	181	273	n/a	n/a
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	n/a	10
49-9012	Control & Valve Install & Repair, Ex. Mech. Door	99	98	-1	-1.0	0	3	3	18.49	10
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	691	808	117	16.9	12	9	21	17.11	9
49-9031	Home Appliance Repairers	96	92	-4	-4.2	0	2	2	17.01	9
49-9041	Industrial Machinery Mechanics	1,115	1,129	14	1.3	1	23	24	19.47	9
49-9042	Maintenance & Repair Workers, General	4,910	5,464	554	11.3	55	94	149	17.00	10
49-9043	Maintenance Workers, Machinery	92	99	7	7.6	1	2	3	16.48	11
49-9044	Millwrights	89	93	4	4.5	0	2	2	22.85	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers & Repairers	233	202	-31	-13.3	0	7	7	20.89	9
49-9052	Telecommunications Line Installers & Repairers	377	452	75	19.9	8	10	18	14.45	9
49-9061	Camera & Photographic Equipment Repairers	*	*	*	*	*	*	*	n/a	10
49-9062	Medical Equipment Repairers	81	102	21	25.9	2	2	4	15.99	6
49-9063	Musical Instrument Repairers & Tuners	*	*	*	*	*	*	*	15.85	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	n/a	9
49-9069	Precision Instrument & Equip. Repairers, Other	43	57	14	32.6	1	1	2	24.28	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Rep.	92	87	-5	-5.4	0	2	2	11.56	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Ex. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths & Safe Repairers	*	*	*	*	*	*	*	11.01	10
49-9095	Manufactured Building & Mobile Home Installers	*	*	*	*	*	*	*	n/a	10
49-9096	Riggers	*	*	*	*	*	*	*	n/a	11
49-9097	Signal & Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	337	391	54	16.0	5	11	16	9.20	11
49-9099	Installation, Maint. & Repair Workers, All Other	244	275	31	12.7	3	6	9	13.86	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Production Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-0000 Production Occupations		43,757	46,633	2,876	6.6	387	1,062	1,449	15.71	n/a
51-1000	Supervisors, Production Workers	2,733	2,975	242	8.9	24	57	81	n/a	n/a
51-1011	Mgrs. of Production & Operating	2,733	2,975	242	8.9	24	57	81	24.94	8
51-2000	Assemblers & Fabricators	14,211	15,906	1,695	11.9	184	367	551	n/a	n/a
51-2011	Aircraft Structure, Surface, Rig & Sys. Assemb.	56	67	11	19.6	1	2	3	n/a	9
51-2021	Coil Winders, Tapers & Finishers	138	102	-36	-26.1	0	3	3	n/a	11
51-2022	Electrical & Electronic Equipment Assemblers	292	231	-61	-20.9	0	7	7	13.56	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2031	Engine & Other Machine Assemblers	823	928	105	12.8	11	23	34	n/a	11
51-2041	Structural Metal Fabricators & Fitters	315	338	23	7.3	2	7	9	15.06	10
51-2091	Fiberglass Laminators & Fabricators	*	*	*	*	*	*	*	n/a	10
51-2092	Team Assemblers	10,577	12,096	1,519	14.4	152	273	425	17.29	10
51-2093	Timing Device Assemblers, Adjust. & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers & Fabricators, All Other	*	*	*	*	*	*	*	13.24	10
51-3000	Food Processing Workers	586	600	14	2.4	2	14	16	n/a	n/a
51-3011	Bakers	120	138	18	15.0	2	3	5	10.92	9
51-3021	Butchers & Meat Cutters	197	187	-10	-5.1	0	4	4	13.05	9
51-3022	Meat, Poultry & Fish Cutters & Trimmers	*	*	*	*	*	*	*	n/a	11
51-3023	Slaughterers & Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3091	Food & Tobacco Roast., Baking, Dry. Mach. Ops.	137	137	0	0.0	0	4	4	17.09	11
51-3092	Food Batchmakers	56	60	4	7.1	0	1	1	9.29	11
51-3093	Food Cooking Machine Operators & Tenders	55	57	2	3.6	0	1	1	9.55	11
51-4000	Metal Workers & Plastic Workers	8,105	8,463	358	4.4	56	201	257	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators	619	721	102	16.5	10	10	20	14.65	10
51-4012	Numerical Tool & Process Control Programmers	*	*	*	*	*	*	*	19.36	9
51-4021	Extruding & Drawing Machine SOT^	475	405	-70	-14.7	0	16	16	16.86	10
51-4022	Forging Machine SOT^, Metal & Plastic	53	55	2	3.8	0	1	1	n/a	10
51-4023	Rolling Machine SOT^, Metal & Plastic	139	159	20	14.4	2	3	5	11.48	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-4031	Cutting, Punching & Press Machine SOT^	927	815	-112	-12.1	0	22	22	13.01	10
51-4032	Drilling & Boring Machine Tool SOT^	245	260	15	6.1	2	7	9	14.14	10
51-4033	Grind., Lapping, Polish. & Buff. Mach. Tool SOT^	176	187	11	6.3	1	3	4	12.18	10
51-4034	Lathe & Turning Machine Tool SOT^	282	279	-3	-1.1	0	5	5	13.68	10
51-4035	Milling & Planing Machine SOT^	101	84	-17	-16.8	0	2	2	n/a	10
51-4041	Machinists	916	973	57	6.2	6	21	27	14.80	9
51-4051	Metal-Refining Furnace Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-4052	Pourers & Casters, Metal	*	*	*	*	*	*	*	n/a	10
51-4061	Model Makers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4062	Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4071	Foundry Mold & Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Machine SOT^	545	575	30	5.5	3	14	17	12.82	10
51-4081	Multiple Machine Tool SOT^, Metal & Plastic	393	426	33	8.4	3	11	14	13.51	10
51-4111	Tool & Die Makers	563	619	56	9.9	6	13	19	22.44	9
51-4121	Welders, Cutters, Solderers & Brazers	1,211	1,258	47	3.9	5	34	39	14.81	9
51-4122	Welding, Soldering & Brazing Machine SOT^	879	1,034	155	17.6	16	25	41	14.80	10
51-4191	Heat Treating Equipment SOT^, Metal & Plastic	100	118	18	18.0	2	3	5	11.84	10
51-4192	Lay-Out Workers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4193	Plating & Coating Machine SOT^	250	261	11	4.4	1	6	7	13.56	10
51-4194	Tool Grinders, Filers & Sharpeners	36	36	0	0.0	0	1	1	13.82	10
51-4199	Metal Workers & Plastic Workers, All Other	115	113	-2	-1.7	0	3	3	15.18	10
51-5000	Printing Workers	1,272	1,181	-91	-7.2	0	31	31	n/a	n/a
51-5011	Bindery Workers	368	306	-62	-16.8	0	10	10	14.67	11
51-5012	Bookbinders	*	*	*	*	*	*	*	n/a	10
51-5021	Job Printers	72	71	-1	-1.4	0	2	2	13.85	9
51-5022	Prepress Technicians & Workers	200	170	-30	-15.0	0	5	5	16.07	7
51-5023	Printing Machine Operators	610	613	3	0.5	0	14	14	17.43	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-6000	Textile, Apparel & Furnishings Workers	3,284	3,324	40	1.2	44	58	102	n/a	n/a
51-6011	Laundry & Dry-Cleaning Workers	582	661	79	13.6	8	16	24	9.04	10
51-6021	Pressers, Textile, Garment & Related Materials	352	399	47	13.4	5	6	11	9.03	11
51-6031	Sewing Machine Operators	1,041	728	-313	-30.1	0	13	13	9.56	10
51-6041	Shoe & Leather Workers & Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	8.98	11
51-6052	Tailors, Dressmakers & Custom Sewers	*	*	*	*	*	*	*	14.40	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tends.	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Machine SOT^	*	*	*	*	*	*	*	12.72	10
51-6063	Textile Knitting & Weaving Machine SOT^	*	*	*	*	*	*	*	n/a	9
51-6064	Textile Winding, Twist. & Draw. Out Mach. SOT^	*	*	*	*	*	*	*	n/a	10
51-6091	Extruding & Forming Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6092	Fabric & Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	129	130	1	0.8	0	3	3	13.73	9
51-6099	Textile, Apparel & Furnishings Workers, Other	*	*	*	*	*	*	*	n/a	11
51-7000	Woodworkers	481	517	36	7.5	4	13	17	n/a	n/a
51-7011	Cabinetmakers & Bench Carpenters	187	208	21	11.2	2	5	7	11.93	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine SOT^, Wood	99	103	4	4.0	0	3	3	10.30	10
51-7042	Woodworking Machine SOT^	123	127	4	3.3	0	3	3	10.32	10
51-7099	Woodworkers, All Other	46	51	5	10.9	1	1	2	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-8000	Plant & System Operators	730	726	-4	-0.5	5	22	27	n/a	n/a
51-8012	Power Distributors & Dispatchers	33	34	1	3.0	0	1	1	34.12	9
51-8013	Power Plant Operators	93	82	-11	-11.8	0	3	3	27.11	9
51-8021	Stationary Engineers & Boiler Operators	92	81	-11	-12.0	0	2	2	19.91	9
51-8031	Water & Liquid Waste Treat. Plant & Sys. Ops.	251	296	45	17.9	5	9	14	16.51	9
51-8091	Chemical Plant & System Operators	198	172	-26	-13.1	0	6	6	17.40	9
51-8092	Gas Plant Operators	32	30	-2	-6.3	0	1	1	n/a	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	n/a	9
51-8099	Plant & System Operators, All Other	30	30	0	0.0	0	1	1	n/a	9
51-9000	Other Production Occupations	12,355	12,941	586	4.7	68	300	368	n/a	n/a
51-9011	Chemical Equipment Operators & Tenders	*	*	*	*	*	*	*	20.22	10
51-9012	Separate, Filter, Clarify, & Still Machine Ops.	67	67	0	0.0	0	2	2	16.11	10
51-9021	Crush, Grind & Polish Machine Setters & Ops.	*	*	*	*	*	*	*	12.80	10
51-9022	Grinding & Polishing Workers, Hand	32	32	0	0.0	0	1	1	13.11	10
51-9023	Mixing & Blending Machine SOT^	341	346	5	1.5	1	9	10	15.09	10
51-9031	Cutters & Trimmers, Hand	54	64	10	18.5	1	1	2	10.93	11
51-9032	Cutting & Slicing Machine SOT^	253	237	-16	-6.3	0	5	5	12.25	10
51-9041	Extruding, Form, Press & Compact Mach. Ops.	628	654	26	4.1	3	17	20	13.64	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tend.	71	74	3	4.2	0	2	2	14.68	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	2,086	2,122	36	1.7	4	48	52	16.97	10
51-9071	Jewelers & Precious Stone & Metal Workers	41	55	14	34.1	1	1	2	n/a	7
51-9081	Dental Laboratory Technicians	69	79	10	14.5	1	2	3	13.61	9
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	n/a	9
51-9083	Ophthalmic Laboratory Technicians	34	36	2	5.9	0	1	1	11.68	10
51-9111	Packaging & Filling Machine Ops. & Tenders	1,588	1,589	1	0.1	0	32	32	13.79	11
51-9121	Coating, Painting & Spraying Machine SOT^	741	764	23	3.1	2	19	21	14.77	10
51-9122	Painters, Transportation Equipment	667	782	115	17.2	12	17	29	n/a	9
51-9123	Painting, Coating & Decorating Workers	115	124	9	7.8	1	3	4	10.29	11
51-9131	Photographic Process Workers	*	*	*	*	*	*	*	9.54	10
51-9132	Photographic Processing Machine Operators	124	84	-40	-32.3	0	3	3	8.63	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
51-9191	Cementing & Gluing Machine Ops. & Tenders	125	98	-27	-21.6	0	3	3	11.12	10
51-9192	Cleaning, Washing & Metal Pickling Equip. Ops.	39	41	2	5.1	0	1	1	13.44	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9194	Etchers & Engravers	*	*	*	*	*	*	*	n/a	9
51-9195	Molders, Shapers & Casters, Ex. Metal & Plastic	162	166	4	2.5	0	4	4	11.86	10
51-9196	Paper Goods Machine SOT^	517	526	9	1.7	1	11	12	n/a	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	2,202	2,485	283	12.9	28	62	90	10.93	11
51-9199	Production Workers, All Other	2,204	2,313	109	4.9	11	53	64	11.95	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Transportation & Material Moving Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
53-0000 Transportation & Material Moving Occupations		23,211	25,412	2,201	9.5	238	491	729	13.32	n/a
53-1000	Supervisors, Transp. & Material Moving Work.	889	993	104	11.7	10	21	31	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	8
53-1021	Mgrs. of Helpers, Laborers & Mat. Movers, Hand	343	372	29	8.5	3	8	11	18.88	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	542	617	75	13.8	8	13	21	20.36	8
53-2000	Air Transportation Workers	170	173	3	1.8	1	5	6	n/a	n/a
53-2011	Airline Pilots, Copilots & Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	47	55	8	17.0	1	1	2	n/a	7
53-2021	Air Traffic Controllers	*	*	*	*	*	*	*	n/a	9
53-2022	Airfield Operations Spec.	*	*	*	*	*	*	*	12.61	9
53-3000	Motor Vehicle Operators	10,376	11,977	1,601	15.4	160	156	316	n/a	n/a
53-3011	Ambulance Drivers & Attendants, Ex. EMTs	*	*	*	*	*	*	*	n/a	10
53-3021	Bus Drivers, Transit & Intercity	214	263	49	22.9	5	5	10	n/a	10
53-3022	Bus Drivers, School	1,281	1,511	230	18.0	23	28	51	n/a	11
53-3031	Driver/Sales Workers	855	939	84	9.8	8	14	22	11.93	11
53-3032	Truck Drivers, Heavy & Tractor-Trailer	4,949	5,707	758	15.3	76	81	157	16.79	10
53-3033	Truck Drivers, Light or Delivery Services	2,523	2,913	390	15.5	39	23	62	12.75	11
53-3041	Taxi Drivers & Chauffeurs	485	572	87	17.9	9	5	14	8.93	11
53-3099	Motor Vehicle Operators, All Other	65	67	2	3.1	0	1	1	18.70	11
53-4000	Rail Transportation Workers	61	51	-10	-16.4	0	2	2	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	n/a	10
53-4021	Railroad Brake, Signal & Switch Operators	*	*	*	*	*	*	*	n/a	10
53-4031	Railroad Conductors & Yardmasters	*	*	*	*	*	*	*	n/a	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	10
53-5000	Water Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-5011	Sailors & Marine Oilers	*	*	*	*	*	*	*	n/a	11
53-5021	Captains, Mates & Pilots of Water Vessels	*	*	*	*	*	*	*	n/a	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Bluegrass Area

Occupational Employment Outlook

Transportation & Material Moving Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
53-6000	Other Transportation Workers	293	276	-17	-5.8	1	10	11	n/a	n/a
53-6011	Bridge & Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	157	126	-31	-19.7	0	5	5	9.14	11
53-6031	Service Station Attendants	97	106	9	9.3	1	4	5	8.31	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	11
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	11
53-7000	Material Moving Workers	11,410	11,930	520	4.6	66	297	363	n/a	n/a
53-7011	Conveyor Operators & Tenders	46	47	1	2.2	0	1	1	11.76	11
53-7021	Crane & Tower Operators	115	143	28	24.3	3	3	6	16.86	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	307	365	58	18.9	6	8	14	15.42	10
53-7033	Loading Machine Ops., Underground Mining	*	*	*	*	*	*	*	n/a	10
53-7041	Hoist & Winch Operators	49	48	-1	-2.0	0	2	2	n/a	10
53-7051	Industrial Truck & Tractor Operators	2,694	2,843	149	5.5	15	51	66	15.09	11
53-7061	Cleaners of Vehicles & Equipment	650	693	43	6.6	4	23	27	9.42	11
53-7062	Laborer & Freight, Stock & Material Mover, Hand	4,356	4,579	223	5.1	22	142	164	10.80	11
53-7063	Machine Feeders & Offbearers	601	469	-132	-22.0	0	16	16	11.74	11
53-7064	Packers & Packagers, Hand	2,246	2,357	111	4.9	11	42	53	9.30	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Ex. Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7081	Refuse & Recyclable Material Collectors	300	338	38	12.7	4	8	12	8.79	11
53-7111	Shuttle Car Operators	*	*	*	*	*	*	*	n/a	11
53-7121	Tank Car, Truck & Ship Loaders	*	*	*	*	*	*	*	n/a	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

Postsecondary awards

(1) *First professional degree.* Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(5) *Bachelor's degree.* Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

(6) *Associate's degree.* Completion of the degree usually requires at least two years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term, on-the-job training.* More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations - insurance sales and securities sales, for example - trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term, on-the-job training.* Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

(11) *Short-term, on-the-job training.* Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

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